

Initial Notification of Potential Exceptional Event Information Summary

Submitting Agency: Washoe County Health District, Air Quality Management Division

Agency Contact: Daniel Inouye, Branch Chief

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Applicable NAAQS: 2006 24-Hour PM_{2.5} and 2015 8-Hour Ozone

Affected Regulatory Decision¹: Attainment of the 2015 8-Hour Ozone NAAQS

Area Name/Designation Status: Washoe County Attainment Area

Design Value Period: 2013-2015

Narrative: On August 18, 2015 smoke from numerous wildfires in the Northwest portion of California impacted the Reno/Sparks area. The smoke impacts contributed to several exceedances of the National Ambient Air Quality Standards (NAAQS) for Particulate Matter less than or equal to 2.5 microns in aerodynamic diameter (PM_{2.5}) and Ozone (O₃) at several sites in the Washoe County Health District, Air Quality Management Division's (AQMD) monitoring network. The AQMD requests that the Regional Administrator for Region IX of the U.S. Environmental Protection Agency (EPA) accepts this Initial Notification so an Exceptional Events Demonstration document can be prepared to petition for the exclusion of the air quality monitoring data effected from these fires from the normal planning and regulatory requirements under the Clean Air Act (CAA) in accordance with the Exceptional Events Rule (EER).

Table A (1):

Information specific to each flagged site day that may be submitted to EPA in support of the affected regulatory decision listed above.

Date(s) of Event	NAAQS Standard	Type of Event (high wind, volcano, wildfires/prescribed burns, other)	AQS Flag	Site AQS ID	POC	Site Name	Monitor Concentration
08/21/2015	PM _{2.5}	Northwest Wildfires	RT	32-031-0016	3	Reno3	38.8 µg/m ³
				32-031-1005	1	Sparks	39.2 µg/m ³

*Data was flagged in AQS on 04/14/2016 and 05/03/2016 as Wildfire Event from 08/18/2015 (00:00) to 08/21/2015 (23:59)

Table A (2):

Information specific to each flagged site day that may be submitted to EPA in support of the affected regulatory decision listed above.

Date(s) of Event	NAAQS Standard	Type of Event (high wind, volcano, wildfires/prescribed burns, other ²)	AQS Flag	Site AQS ID	POC	Site Name	Monitor Concentration
08/18/2015	Ozone	Northwest Wildfires	RT	32-031-0016	1	Reno3	0.075 ppm
				32-031-1005	1	Sparks	0.070 ppm
				32-031-0025	1	Toll	0.068 ppm
				32-031-0020	1	South Reno	0.073 ppm
				32-031-2009	1	Lemmon Valley	0.069 ppm
				32-031-2002	1	Incline	0.063 ppm
08/19/2015	Ozone	Northwest Wildfires	RT	32-031-0016	1	Reno3	0.073 ppm
				32-031-1005	1	Sparks	0.071 ppm
				32-031-0025	1	Toll	0.069 ppm
				32-031-0020	1	South Reno	0.071 ppm
				32-031-2009	1	Lemmon Valley	0.067 ppm
				32-031-2002	1	Incline	0.061 ppm
08/20/2015	Ozone	Northwest Wildfires	RT	32-031-0016	1	Reno3	0.070 ppm
				32-031-1005	1	Sparks	0.069 ppm
				32-031-0025	1	Toll	0.070 ppm
				32-031-0020	1	South Reno	0.070 ppm
				32-031-2009	1	Lemmon Valley	0.068 ppm
				32-031-2002	1	Incline	0.061 ppm
08/21/2015	Ozone	Northwest Wildfires	RT	32-031-0016	1	Reno3	0.073 ppm
				32-031-1005	1	Sparks	0.072 ppm
				32-031-0025	1	Toll	0.073 ppm
				32-031-0020	1	South Reno	0.072 ppm
				32-031-2009	1	Lemmon Valley	0.067 ppm
				32-031-2002	1	Incline	0.064 ppm

Table B (1):

Violating Sites Information for **24-Hour PM_{2.5}** (listing of all violating sites³ in the planning area, regardless of operating agency, and regardless of whether or not they are affected by EEs)

Site (AQS ID)	Design Value (<u>without</u> EPA concurrence on all events listed in Table A (1) above)	Design Value (<u>with</u> EPA concurrence on all events listed in Table A (1) above)
Reno3 (32-031-0016)	29	29
Sparks (32-031-1005)	32	32

Table B (2):

Violating Sites Information for **8-Hour Ozone** (listing of all violating sites³ in the planning area, regardless of operating agency, and regardless of whether or not they are affected by EEs)

Site (AQS ID)	Design Value (<u>without</u> EPA concurrence on all events listed in Table A (2) above)	Design Value (<u>with</u> EPA concurrence on all events listed in Table A (2) above)
Reno3 (32-031-0016)	71	70
Sparks (32-031-1005)	68	68
Toll (32-031-0025)	68	68
South Reno (32-031-0020)	68	68
Lemmon Valley (32-031-2009)	68	68
Incline (32-031-2002)	62	62

Table C (1):

Summary of Maximum Design Value (DV) Site Information for **24-Hour PM_{2.5}** (Effect of EPA Concurrence on Maximum Design Value Site Determination)

Maximum DV site (AQS ID) <u>without</u> EPA concurrence on any of the events listed in Table A (1) above	Design Value 32	Design Value Site Sparks (32-031-1005)	Comment
Maximum DV site (AQS ID) <u>with</u> EPA concurrence on all events listed in Table A (1) above	Design Value 32	Design Value Site Sparks (32-031-1005)	Comment

Table C (2):

Summary of Maximum Design Value (DV) Site Information for **8-Hour Ozone** (Effect of EPA Concurrence on Maximum Design Value Site Determination)

Maximum DV site (AQS ID) <u>without</u> EPA concurrence on any of the events listed in Table A (2) above	Design Value 71	Design Value Site Reno3 (32-031-0016)	Comment
Maximum DV site (AQS ID) <u>with</u> EPA concurrence on all events listed in Table A (2) above	Design Value 70	Design Value Site Reno3 (32-031-0016)	Comment

Table D:

Site(s) with Invalid PM_{2.5} or Ozone Design Values

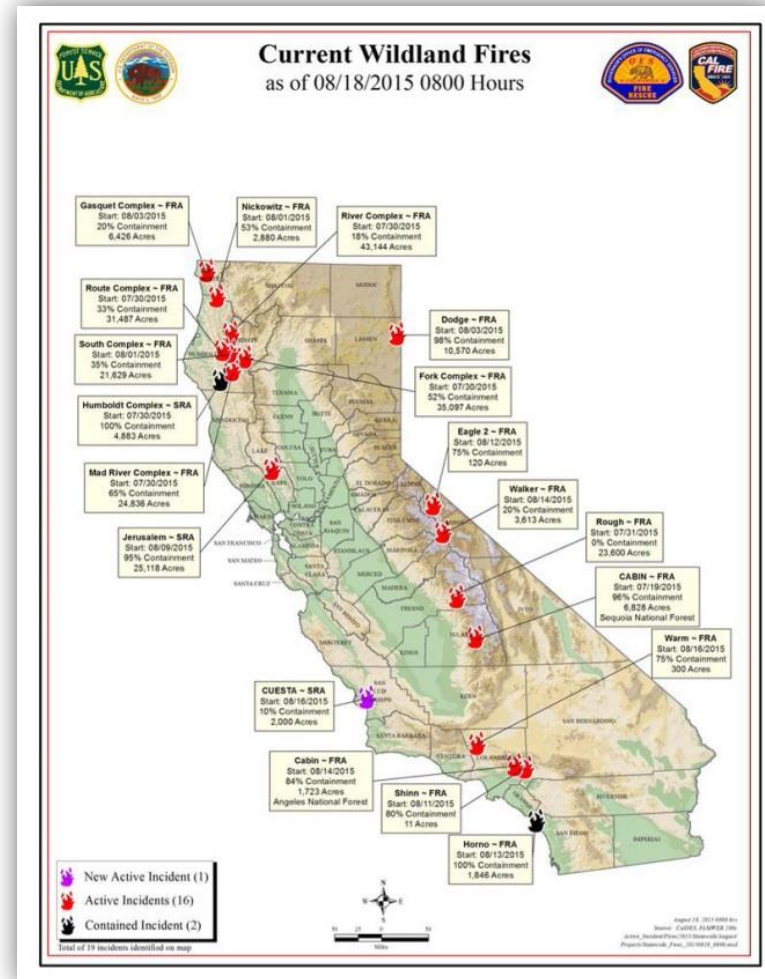
Site Name (AQS ID)	Parameter(s)	Reason for Invalid Design Value(s)	Comments
none	n/a	n/a	n/a

¹ designation, classification, attainment determination, attainment date extension, or finding of SIP inadequacy leading to SIP call

² Provide additional information for types of event described as "other"

³ Note if violating monitor is a near-road monitor

Aqua Satellite Image of the Northwest Fires from 8/21/2016



HMS Smoke layers for 8/21/2016

